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1 Programming languages for mobile code
Tommy Thorn
September 1997 **ACM Computing Surveys (CSUR)**, Volume 29 Issue 3

Full text available: 🗎 pdf(393.65 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

Sun's announcement of the programming language Java more that anything popularized the notion of mobile code, that is, programs traveling on a heterogeneous network and automatically executing upon arrival at the destination. We describe several classes of mobile code and extract their common characteristics, where security proves to be one of the major concerns. With these characteristics as reference points, we examine six representative languages proposed for mobile code. The conclusion ...

Keywords: Java, Limbo, Objective Caml, Obliq, Safe-Tcl, distribution, formal methods, mobile code, network programming, object orientation, portability, safety, security, telescript

2 Delivery of MHEG-5 in a DAVIC ADSL network
John Buford, Chetan Gopal
November 1997 **Proceedings of the fifth ACM international conference on Multimedia**

Full text available: 🗎 pdf(1.55 MB)   Additional Information: full citation, references, index terms

Keywords: DAVIC, MHEG, MPEG-2 DSM-CC, interactive television, video-dial-tone

3 The personal presence system—a wide area network resource for the real time composition of multipoint multimedia communications
D. Boyer, M. Lukacs
October 1994 **Proceedings of the second ACM international conference on Multimedia**

Full text available: 🗎 pdf(927.58 KB)   Additional Information: full citation, abstract, references, citings, index terms

The Personal Presence System (PPS) is an experimental prototype platform to support advanced Broadband applications including multimedia conferencing and distance learning. The PPS supports user presentation control of advanced network elements (multimedia

bridges). The multimedia bridges are shared network resources which are designed for deployment in proximity to other switching and transcoding resources. The multimedia bridge provides for a single point of contact for each user so that ...

4 Data access for the masses through OLE DB

José A. Blakeley

June 1996 **ACM SIGMOD Record , Proceedings of the 1996 ACM SIGMOD international conference on Management of data**, Volume 25 Issue 2

Full text available: pdf(1.24 MB)   Additional Information: full citation, abstract, references, citings, index terms

This paper presents an overview of OLE DB, a set of interfaces being developed at Microsoft whose goal is to enable applications to have uniform access to data stored in DBMS and non-DBMS information containers. Applications will be able to take advantage of the benefits of database technology without having to transfer data from its place of origin to a DBMS. Our approach consists of defining an open, extensible Collection of interfaces that factor and encapsulate orthogonal, reusable portions ...

5 CPU reservations and time constraints: efficient, predictable scheduling of independent activities

Michael B. Jones, Daniela Roşu, Marcel-Cătălin Roşu

October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth ACM symposium on Operating systems principles**, Volume 31 Issue 5

Full text available: pdf(2.25 MB)   Additional Information: full citation, references, citings, index terms

6 Education for the deep submicron age: business as usual?

H. De Man

June 1997 **Proceedings of the 34th annual conference on Design automation - Volume 00**

Full text available: pdf(165.82 KB)   Additional Information: full citation, abstract, references, citings, index terms
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Exploitation of deep-submicron technology will dependcritically on the availability of global system engineers ableto bridge the gap between software-centric system thinkingand hardware-software implementation of it in novel siliconarchitectures. This requires a rethinking of presentengineering schools which are not well equipped to tackleglobal system engineering aspects. The concept of designinstitute is introduced where, based on visionary systemdesign demonstrators, new methodologies, tools, ...

7 Design methodology for analog high frequency ICs

Yasunori Miyahara, Yoshitomo Oumi, Seijiro Moriyama

June 1996 **Proceedings of the 33rd annual conference on Design automation**

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